



The MCS 3000-48V Power System

Description:

The MCS 3000-24V Power system combines a compact modular design with intelligent power features and state-of-the-art technology. The MCS 3000-24V is capable of providing power up to 1200 A. It contains four rectifier shelves for up to 12 rectifiers ESR 24 V - 100 A - B and different distribution units with configurable elements for AC, DC distribution, LVDS and power system controller.



Features

- Up to 1200 A installed power in a 7 ft frame
- Fan cooled rectifiers ESR 48V 50 A C
- Hot pluggable, all connectors at the rear
- Power system controller Intelligent

Specification

<u>General</u>

Product name ESR 48 V - 50 A - C

Efficiency, at 220Vrms 90 % UL 60950 Safety

CAN/CSA-C22.2 No.60950 EMI, radiated compliant with FCC Part 15 class B EN 55022 class B

Input

Voltage range

Voltage range Frequency range

AC connection

1 Φ 220 V_{rms} 3 Φ 4 W 220 V_{rms} 3 Ø 5 W 380 V_{rms} 176 ... 275 V_{rms} 176 ... 275 V_{rms} 45 ... 65 Hz

Current nominal $4~x~96~A_{rm},~1\varPhi$ 4 x 56 A_{rm}, 3Φ 220V

4 x 32 A_{rm}, 3Φ 380V

EMI, conducted compliant with FCC Part 15 class B, EN 55022 class B

Output

 $54\ V_{\text{dc}}$ Voltage, nominal Voltage adjust range 42 ... 59.5 V_{dc} 67,200 W, max. Maximum power 1200 A Current limit

Load sharing $< \pm 5\%$

Environment

Operating temperature - 5 ... + 55 °C

Relative humidity 95 % max, non condensing

- 500 ~ 10000 feet Altitude

*Specifications are subject to change due to technical progress